

Fact Sheet
January 2002

Used Oil Produced in Jewelry Manufacturing



JEWELRY MANUFACTURING WASTE STREAM

DTSC is one of six Boards and Departments within the California Environmental Protection Agency. DTSC's mission is to restore, protect and enhance the environment, to ensure public health, environmental quality and economic vitality, by regulating hazardous waste, conducting and overseeing cleanups, and developing and promoting pollution prevention.

State of California



California
Environmental
Protection Agency



How is oil used in jewelry manufacturing?

Oil used in jewelry manufacturing may include lubricating oil, hydraulic oil, metalworking oil, bearing oil, and oil from compressor motors. Used oil is any oil that has been refined from crude oil, or any synthetic oil that has been used, and, as a result of use, or as a consequence of extended storage, or spillage, has become contaminated with physical or chemical impurities [1].

Why is this waste hazardous?

Used oil typically contains toxic substances that are harmful to human health and the environment, including organic compounds, lead, and other metals. Therefore, used oil is considered hazardous waste.

How should I manage this waste [2]?

Never mix used oil with any other hazardous waste. Used oil must be stored in tanks or containers that are in good condition. The tanks or containers must be made of non-earthen, non-absorbing, rust-resistant material, such as steel or oil-resistant plastic, and must be strong enough to hold the used oil. All storage tanks must be equipped with a secondary containment system [3]. All containers must have tight-fitting lids and must be kept closed except when it is necessary to add or remove oil. All used oil storage tanks must be inspected daily and storage containers must be inspected weekly.

It is unlawful to burn used oil as a fuel, or to dispose of used oil by dumping it on land or into the sewer. Used oil must be transported to an authorized used oil collection center or to a permitted hazardous waste facility that is authorized by the Department of Toxic Substances Control (DTSC) to treat[‡], recycle, or dispose of the oil. A registered transporter must transport the used oil, unless you generate less than 220 pounds (or 100 kilograms) of total hazardous wastes per month. If you generate less than 220 pounds of hazardous waste per month, you can transport up to 20 gallons of used oil per trip in containers of 5 gallons or less to an authorized

[‡] "Treatment" is any method, technique, or process which is designed to change the physical, chemical, or biological character or composition of any hazardous waste or any material contained therein, or removes or reduces its harmful properties or characteristics for any purpose, including, but not limited to, energy recovery, material recovery, or reduction in volume. (Health & Saf. Code, § 25123.5 and Cal. Code Regs., tit. 22, § 66260.10.)

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our web site at www.dtsc.ca.gov.

used oil collection center, or up to 5 gallons of used oil per trip to a permitted hazardous waste treatment and disposal facility.

A registered hazardous waste transporter can transport used oil using either a full transport manifest, or a consolidated manifest [4]. When a consolidated manifest is used, the transporter must give the generator a legible copy of a receipt for the used oil received, and the generator must keep a copy of each receipt for three years. The receipt must contain the following:

- Generator's name, address, identification number, phone number, and the name of the generator's designated contact person
- Generator's signature, or signature of generator's representative
- Date of shipment
- Manifest number
- Volume or quantity shipped, the California and RCRA waste codes, the waste stream type, and the proper shipping description, including the hazardous class and United Nations/North America (UN/NA) identification number if applicable
- Name, address, and identification number of authorized facility to which the oil is being transported
- Generator's signed statement certifying that the generator has established a program to reduce the volume or quantity and toxicity of the hazardous waste generated
- Transporter's name, address, and identification number
- The driver's signature

Additional Information

This fact sheet is intended to provide guidance for managing used oil. This fact sheet covers only some of the basic management requirements under the Health and Safety Code and the California Code of Regulations. This document does not replace or supersede relevant statutes and regulations. This fact sheet was prepared in January, 2002 and

is based on statutes and regulations in effect at that time. Interested parties should always review the most current statutes and regulations. For additional information please refer to the DTSC fact sheet on "Used Oil and Oil Filter Management". This fact sheet is available by calling DTSC at (800) 728-6942, or from the DTSC web site at: www.dtsc.ca.gov/database/Publications/prog_pubs.cfm?prog=mhw.

References

1. Health & Saf. Code, § 25250.1, subd. (a)(1)(A).
2. Complete used oil management requirements can be found in Health & Saf. Code, div. 20, ch. 6.5, art. 13, and in the Cal. Code Regs., tit. 22, div. 4.5, ch. 29.
3. Cal. Code Regs., tit. 22, div. 4.5, ch. 14, § 66264.193.
4. Consolidated manifesting procedures can be found in Health & Saf. Code, § 25160.2.

Please direct questions to the DTSC Office nearest you, or call the regional Public and Business Liaisons at (800) 72TOXIC (1-800-728-6942) or visit www.dtsc.ca.gov

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This fact sheet is also available in Armenian, Spanish, and Vietnamese.

Esta información se encuentra disponible también en armenio, español y vietnamita.

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Tài liệu này được viết bằng tiếng Armenia, tiếng Tây Ban Nha và tiếng Việt